## LISTING OF THE CLAIMS

Please AMEND claims 1 and 26 as follows:

1. (Currently Amended) An energy beam guide, comprising:

a first region having a first refractive index, said first region having an energy beam receiving end and an inclined first boundary opposing said energy beam receiving end;

a second region having a second refractive index that is less than said first refractive index, said second region sharing said first boundary with said first region, and having a declined-second boundary opposing said first boundary, where a predetermined distance separates said first and second boundaries; and

a third region having a third refractive index, said third region sharing said second boundary with said second region;

wherein said first boundary slopes upward and away from said energy beam receiving end, and said second boundary slopes downward and away from said energy beam receiving end.

- 2. (Original) The energy beam guide of claim 1, wherein said second refractive index is larger than said third refractive index.
- 3. (Original) The energy beam guide of claim 1, wherein said second refractive index is less than said third refractive index.
- 4. (Original) The energy beam guide of claim 1, wherein said energy beam guide forms part of a detection cell of an electrophoresis system.

- 5. (Original) The energy beam guide of claim 4, wherein said third region defines a detection portion of said detection cell.
- 6. (Original) The energy beam guide of claim 1, further comprising an excitation source and a detector.
- 7. (Original) The energy beam guide of claim 1, wherein said first refractive index is in a range from 1.47 to 1.61.
- 8. (Original) The energy beam guide of claim 1, wherein said second refractive index is in a range from 1.46 to 1.52.
- 9. (Original) The energy beam guide of claim 1, wherein said second refractive index is 1.52.
- 10. (Original) The energy beam guide of claim 1, wherein said second refractive index is 1.472.
- 11. (Original) The energy beam guide of claim 1, wherein said third refractive index is is in a range from 1.33 to 1.46.
- 12. (Original) The energy beam guide of claim 1, wherein said third refractive index is 1.41.
- 13. (Original) The energy beam guide of claim 1, wherein said first region is an optical adhesive.
- 14. (Original) The energy beam guide of claim 1, wherein said first region is a liquid index matching fluid.

- 15. (Original) The energy beam guide of claim 1, wherein said second region is selected from a group consisting of glass and plastic.
- 16. (Original) The energy beam guide of claim 1, wherein said third region is a migration medium.
- 17. (Original) The energy beam guide of claim 16, wherein said migration medium is a polymer.
- 18. (Original) The energy beam guide of claim 1, wherein said inclined first boundary presents a concave shape to said energy beam.
- 19. (Original) The energy beam guide of claim 1, wherein said declined second boundary presents a convex shape to said energy beam.
- 20. (Original) The energy beam guide of claim 1, wherein said energy beam is refracted at said first and second boundaries.
- 21. (Original) The energy beam guide of claim 20, wherein an angle of refraction is greater than the angle of incidence at both said first and second boundaries.
- 22. (Original) The energy beam guide of claim 1, wherein a shortest distance separating said first region from said second region is in a range from 0.1 to 1000 microns.
- 23. (Original) The energy beam guide of claim 1, further comprising an optical element disposed between an energy beam source and said energy beam guide.
- 24. (Original) The energy beam guide of claim 23, wherein an energy beam receiving end of said optical element is sloped.

- 25. (Original) The energy beam guide of claim 23, wherein said optical element is formed from a substance that comprises said first region.
- 26. (Currently Amended) An energy beam guide, comprising:
  - a first region having a first refractive index;
  - a second region sharing an inclined-first boundary with said first region, said second region having a second refractive index that is less than said first refractive index; and
  - a third region sharing a declined-second boundary with said second region, said third region having a third refractive index, where a predetermined distance separates said first and second boundaries;
  - wherein said first boundary slopes upward and away from said energy beam receiving end, and said second boundary slopes downward and away from said energy beam receiving end.
- 27. (Original) The energy beam guide of claim 26, wherein said second refractive index is larger than said third refractive index.
- 28. (Original) The energy beam guide of claim 26, wherein said second refractive index is less than said third refractive index.
- 29. (Original) The energy beam guide of claim 26, wherein said energy beam guide forms part of a detection cell of an electrophoresis system.
- 30. (Original) The energy beam guide of claim 29, wherein said third region defines a detection portion of said detection cell.

- 31. (Original) The energy beam guide of claim 26, further comprising an excitation source and a detector.
- 32. (Original) The energy beam guide of claim 26, wherein said first refractive index is in a range from 1.47 to 1.61.
- 33. (Original) The energy beam guide of claim 26, wherein said second refractive index is in a range from 1.46 to 1.52.
- 34. (Original) The energy beam guide of claim 26, wherein said second refractive index is 1.52.
- 35. (Original) The energy beam guide of claim 26, wherein said second refractive index is 1.472.
- 36. (Currently Amended) The energy beam guide of claim 26, wherein said third refractive index is is in a range from 1.33 to 1.46.
- 37. (Original) The energy beam guide of claim 26, wherein said third refractive index is 1.41.
- 38. (Original) The energy beam guide of claim 26, wherein said first region is an optical adhesive.
- 39. (Original) The energy beam guide of claim 26, wherein said first region is a liquid index matching fluid.
- 40. (Original) The energy beam guide of claim 26, wherein said second region is selected from a group consisting of glass and plastic.

- 41. (Original) The energy beam guide of claim 26, wherein said third region is a migration medium.
- 42. (Original) The energy beam guide of claim 41, wherein said migration medium is a polymer.
- 43. (Original) The energy beam guide of claim 26, wherein said inclined first boundary presents a concave shape to an energy beam.
- 44. (Original) The energy beam guide of claim 26, wherein said declined second boundary presents a convex shape to an energy beam.
- 45. (Original) The energy beam guide of claim 26, wherein an energy beam is refracted at said first and second boundaries.
- 46. (Original) The energy beam guide of claim 45, wherein an angle of refraction is greater than the angle of incidence at both said first and second boundaries.
- 47. (Original) The energy beam guide of claim 26, wherein a shortest distance separating said first region from said second region is in a range from 0.1 to 1000 microns.
- 48. (Original) The energy beam guide of claim 26, further comprising an optical element disposed between an energy beam source and said energy beam guide.
- 49. (Original) The energy beam guide of claim 48, wherein an energy beam receiving end of said optical element is sloped.
- 50. (Original) The energy beam guide of claim 48, wherein said optical element is formed from a substance that comprises said first region.